

1635

RECEIVED Page 1 of 4  
OCT 05 2001 #830  
TECH CENTER 1600/2900 OIPE  
12-6-01

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/591,185

DATE: 08/13/2001  
TIME: 10:28:58

Input Set : A:\-3-1.app  
Output Set: N:\CRF3\08132001\I591185.raw

ENTERED

3 <110> APPLICANT: Cook, Ronald M.  
4 Biosearch Technologies, Inc.  
6 <120> TITLE OF INVENTION: Fluorescence Energy Transfer Probes With Stabilized  
7 Conformations  
9 <130> FILE REFERENCE: 019079-000310US  
11 <140> CURRENT APPLICATION NUMBER: US 09/591,185  
12 <141> CURRENT FILING DATE: 2000-06-08  
14 <150> PRIOR APPLICATION NUMBER: US 60/138,376  
15 <151> PRIOR FILING DATE: 1999-06-09  
17 <160> NUMBER OF SEQ ID NOS: 2  
19 <170> SOFTWARE: PatentIn Ver. 2.1  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 25  
23 <212> TYPE: DNA  
24 <213> ORGANISM: Artificial Sequence  
26 <220> FEATURE:  
27 <223> OTHER INFORMATION: Description of Artificial Sequence: "TaqMan" probe  
29 <220> FEATURE:  
30 <221> NAME/KEY: modified\_base  
31 <222> LOCATION: (1)  
32 <223> OTHER INFORMATION: n = cytosine modified through a substituted or  
33 unsubstituted alkyl or heteroalkyl linking group  
34 by exemplary donor 5-carboxyfluorescein (FAM)  
36 <220> FEATURE:  
37 <221> NAME/KEY: modified\_base  
38 <222> LOCATION: (25)  
39 <223> OTHER INFORMATION: n = thymine modified through a substituted or  
40 unsubstituted alkyl or heteroalkyl linking group  
41 by exemplary acceptor  
42 N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)  
44 <400> SEQUENCE: 1  
45 ngcaggatgg catgggggag ggcan 25  
48 <210> SEQ ID NO: 2  
49 <211> LENGTH: 25  
50 <212> TYPE: DNA  
51 <213> ORGANISM: Artificial Sequence  
53 <220> FEATURE:  
54 <223> OTHER INFORMATION: Description of Artificial Sequence: model  
55 conformationally assisted probe (CAP)  
57 <220> FEATURE:  
58 <221> NAME/KEY: modified\_base  
59 <222> LOCATION: (1)  
60 <223> OTHER INFORMATION: n = cytosine modified through a substituted or  
61 unsubstituted alkyl or heteroalkyl linking group  
62 by exemplary donor 5-carboxyfluorescein (FAM)  
64 <220> FEATURE:  
65 <221> NAME/KEY: modified\_base

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66 <222> LOCATION: (2)  
67 <223> OTHER INFORMATION: n = guanine modified through a substituted or  
68 unsubstituted alkyl or heteroalkyl linking group  
69 by exemplary stabilizing moiety cholesterol  
70 derivative (CHOL)  
72 <220> FEATURE:  
73 <221> NAME/KEY: modified\_base  
74 <222> LOCATION: (24)  
75 <223> OTHER INFORMATION: n = adenine modified through a substituted or  
76 unsubstituted alkyl or heteroalkyl linking group  
77 by exemplary stabilizing moiety cholesterol  
78 derivative (CHOL)  
80 <220> FEATURE:  
81 <221> NAME/KEY: modified\_base  
82 <222> LOCATION: (25)  
83 <223> OTHER INFORMATION: n = thymine modified through a substituted or  
84 unsubstituted alkyl or heteroalkyl linking group  
85 by exemplary acceptor  
86 N,N,N',N'-tetramethyl-6-carboxyrhodamine (TAMRA)  
88 <400> SEQUENCE: 2  
89 nncaggatgg catgggggag ggcnn

25

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/591,185

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TIME: 10:28:59

Input Set : A:\-3-1.app

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L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:89 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2